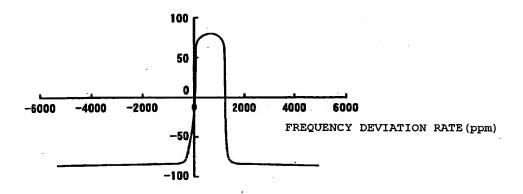


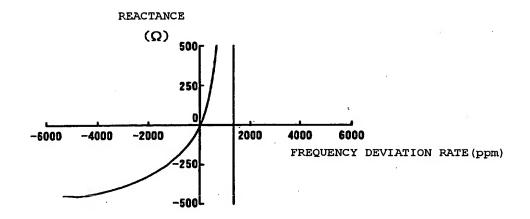
- 10: MASS MEASUREMENT APPARATUS
- 12: PIEZOELECTRIC VIBRATION REED FOR MASS MEASUREMENT
- 14: EXCITATION CIRCUIT
- 16: SIGNAL PROCESSING UNIT
- 20: PLL CIRCUIT
- 24: PRESSURE CONTROLLED OSCILLATOR

FIG. 2

PHASE (DEGREE)

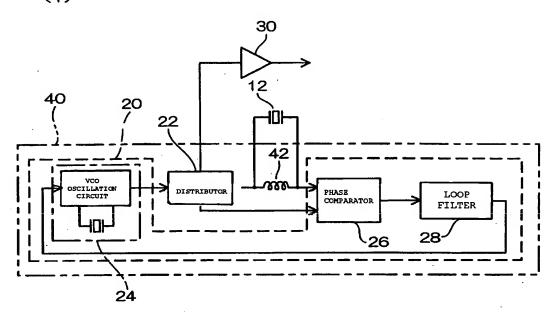


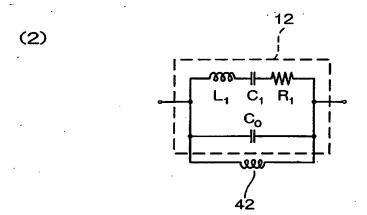
F I G. 3



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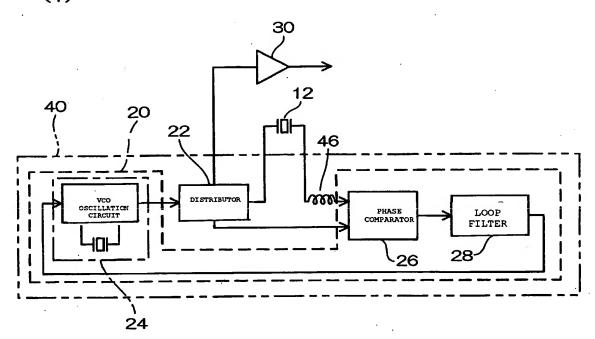
(1)

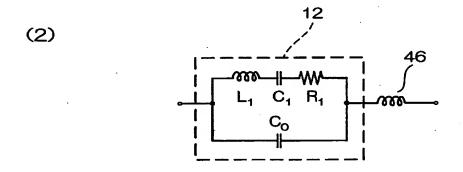




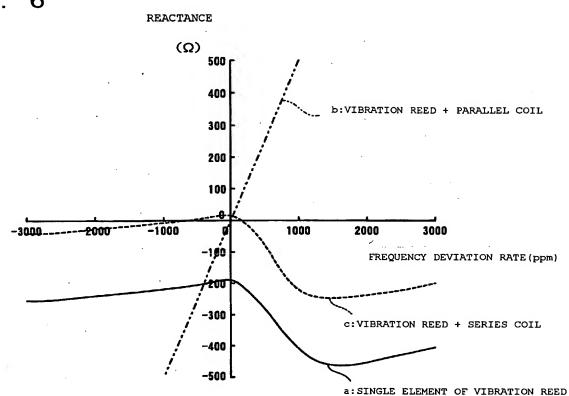
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(1)

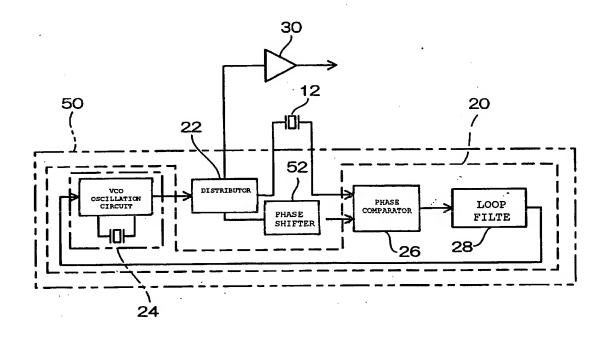




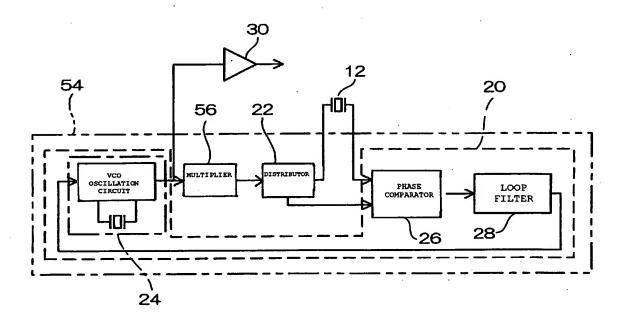




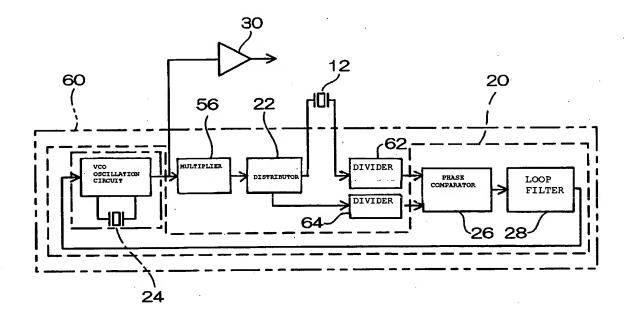
F I G. 7



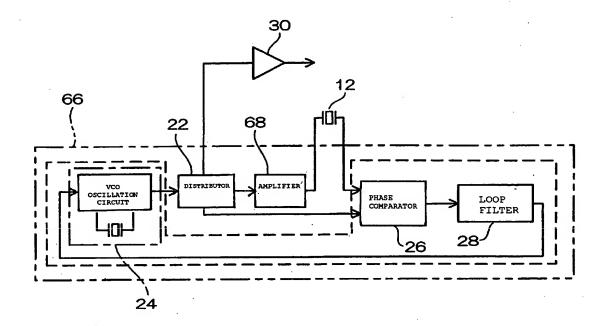
F I G. 8

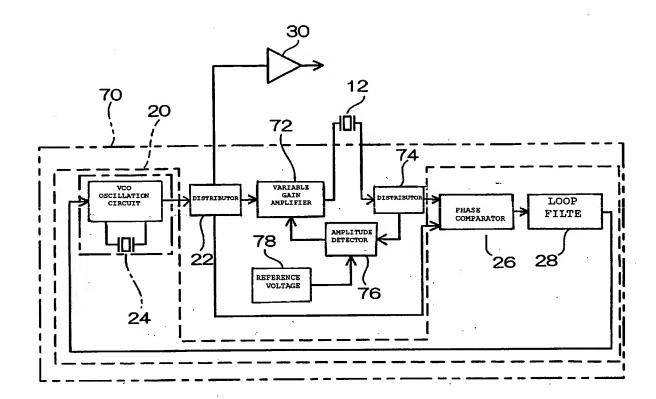


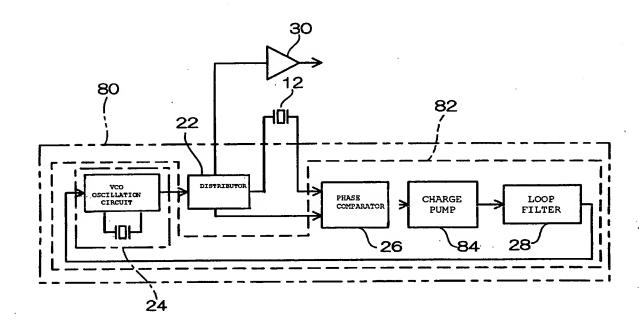
F I G. 9



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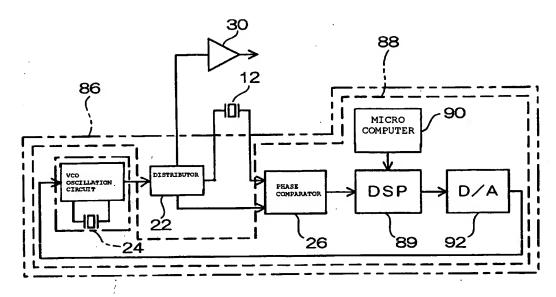


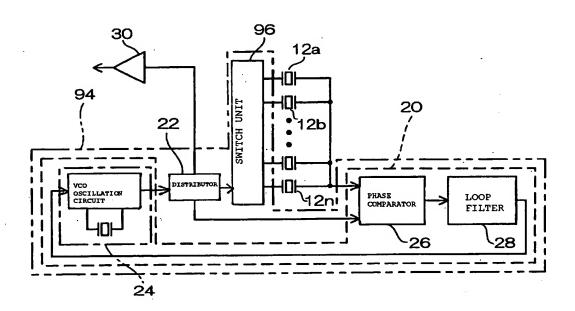




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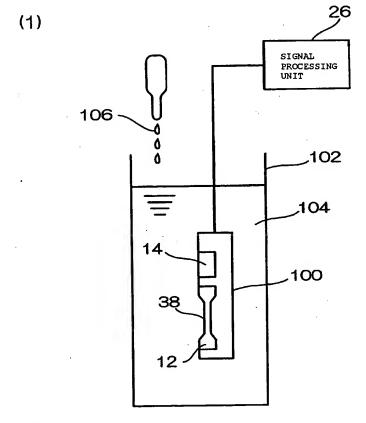
FIG. 13

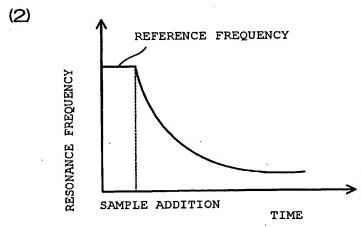




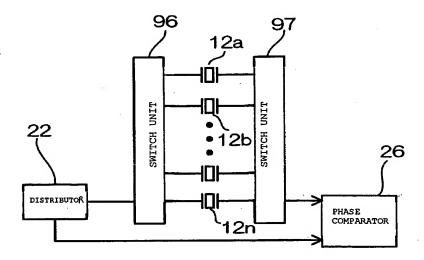
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FIG. 15





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FIG. 17

